

ABSTRACT

An organic electroluminescence device comprising a cathode, an anode and an organic thin film layer which is sandwiched between the cathode and the anode and comprises at least one layer containing a light emitting layer comprising a phosphorescent light emitting compound is provided. The device comprises an electron injecting layer which is adhered to the cathode and comprises at least one compound selected from metal chelate complexes with a ring having nitrogen atom, five-membered cyclic derivatives having nitrogen atom, non-condensed six-membered cyclic derivatives having nitrogen atom and condensed six-membered cyclic derivatives having nitrogen atom and one condensed carbon ring as the main component and at least one compound selected from alkali metals, alkali metal complexes, alkali metal compounds, alkaline earth metals, alkaline earth metal complexes, alkaline earth metal compounds, rare earth metals, rare earth metal complexes and rare earth metal compounds as the reductive dopant. The device uses phosphorescent light emission, exhibits a great efficiency of light emission and has a long life.

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